

Claims

1. Signal line comprising a conductor for electromagnetic signals, characterized in that the signal line is also provided with tensioning means extending substantially parallel to the signal line, wherein the conductor is positioned by the tensioning means.
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2. Signal line as claimed in claim 1, **characterized in that** the tensioning means are connected to anchoring means.
- 10 3. Signal line as claimed in claim 2, **characterized in that** the anchoring means are connected releasably to the tensioning means.
4. Signal line as claimed in any of the foregoing claims, **characterized in that** the tensioning means enclose at least a part of the conductor.
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5. Signal line as claimed in any of the foregoing claims, **characterized in that** the tensioning means comprise a tensioning material which can be placed under tensile strain.
- 20 6. Signal line as claimed in claim 5, **characterized in that** the tensile strain on the tensioning material lies at least between about 300 and 2000 N.
7. Signal line as claimed in claim 5 or 6, **characterized in that** the tensioning material comprises at least one fibre material from the following group of: polyaramid
25 fibre, polyethylene fibre, glass fibre, carbon fibre and flourocarbon fibre.
8. Signal line as claimed in any of the foregoing claims, **characterized in that** the conductor comprises an optical fibre.
- 30 9. Signal line as claimed in any of the foregoing claims, **characterized in that** the signal line comprises a cover enclosing the conductor and the tensioning means.

10. Assembly of a signal line as claimed in any of the foregoing claims and at least one pressure element engaging on the signal line and having a hardness greater than the hardness of the conductor.

5 11. Fence into which a signal line as claimed in any of the claims 1-9 is integrated.

12. Fence as claimed in claim 11, characterized in that the signal line supports on the fence.

10 13. Fence as claimed in claim 11 or 12, characterized in that the signal line is incorporated in a woven material arranged in the fence.

14. Method for manufacturing a fence provided with a signal line comprising a conductor for electromagnetic signals, characterized in that the signal line is also provided with tensioning means extending substantially parallel to the signal line, wherein the conductor is positioned by the tensioning means, comprising the following operational steps of:

- attaching the signal line in a fence, and
- tensioning the tensioning means.

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15. Method as claimed in claim 14, characterized in that the method also comprises of anchoring the tensioning means.

25 16. Method as claimed in claim 14 or 15, characterized in that when tensioned, the tensioning means are placed under a minimum tensioning force of between about 300 and 2000 N.